

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US05/01856

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : B29C 51/22

US CL : 264/477; 425/115

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 264/284, 310; 425/174, 174.4, DIG.13, DIG.245

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X --- Y	US 5,096,401 A (TAMURA et al) 17 March 1992 (17.03.1992), Fig. 1.	1, 2, 5 ----- 3, 4, 6-10, 20
A	US 5,620,712 A (NISHINO et al) 15 April 1997 (15.04.1997), Fig. 3.	1-20
X --- Y	US 5,620,769 A (WESSELS et al) 15 April 1997 (15.04.1997), Fig. 1.	1, 2, 5 ----- 3,4, 6-10, 20
A	US 5,639,404 A (MEIER-KAISER et al) 17 June 1997 (17.06.1997), Fig. 1.	1-20
X --- Y	US 6,554,601 B2 (AMPULSKI et al) 29 April 2003 (29.04.2003), Fig. 5.	1, 2, 5 ----- 3, 4, 6-10, 20



Further documents are listed in the continuation of Box C.



See patent family annex.

* Special categories of cited documents:	
"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E" earlier application or patent published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search

23 May 2005 (23.05.2005)

Date of mailing of the international search report

09 JUN 2005

Name and mailing address of the ISA/US

Mail Stop PCT, Attn: ISA/US
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Facsimile No. (703) 305-3230

Authorized officer

Ben Utech

Telephone No. (571) 272-0987

[Signature]
Ben Utech